

Abstract of the Disclosure

A frequency modulation (FM) recording apparatus for recording an FM modulated video signal onto a recording medium is provided. This recording apparatus (luminance components plus color components) includes an automatic gain controller; a limiter for limiting the level of a luminance component output from the automatic gain controller; a recording equalizer for equalizing the output from the limiter in accordance with the characteristics of the recording medium; a color low-pass filter for filtering and transmitting a color FM signal in an FM modulated video signal output from the automatic gain controller; and a mixer for mixing the luminance component output from the recording equalizer with the color component output from the color low-pass filter. The FM recording apparatus adopts an automatic gain controller for correcting an imbalance in the levels of playback FM signals between channels, and enabling FM recording with superior image.